

EDUCATOR GUIDE

Painting the bones of your cat skull

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Time to complete: 3 hrs

Age level: Grades 11-12 or College

Bloom's levels: 1 & 3

Description: In this module, your students will identify and “paint” (using markers) the bones of a model cat skull, gaining a better understanding of the bones’ functional and developmental groupings, 3D forms, and physical relationships.

Materials needed:

- [FC01 Student Guide v1.0](#) OR [FC01 Coloring Key v1.0](#)
- [Cat Skull Coloring Kit v1.0](#)
- 12 Sharpie® Permanent Fine-Point Markers, Assorted Colors

Systems:

- Skeletal

Core concepts:

- Structure & function

Competencies:

- Observation
- Depiction of Anatomy

Module ID: [FC01](#)

Module version: 1.1

How to use and edit this module

This is an open-source active learning module created by [3D Anatomy Studios](#) and licensed under [CC NC-BY-SA](#) for use with the [Cat Skull Coloring Kit](#).

Module Structure

This module has an **Educator Guide** and a **Student Guide**, divided into one or more sections, each with a number, a motivating question as its heading, and a learning objective. On the [online kit guide page for this module](#), you'll also find a **Coloring Key** and a **Visual Coloring Guide**.

Educator Guide

The **Educator Guide** is intended for educators and contains a pedagogical schema for the module (see the following page) to help implement the module in a course (e.g., learning objectives, target Bloom's level and competencies, core concepts).

Student Guide

The **Student Guide** is intended for students to read as they complete the module's activities and can be read on a device or printed out.

Sharing and Editing

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Purchasing Kits

To purchase your own kits, please visit 3danatomystudios.com/shop/cat-skull-coloring-kit.

Pedagogical schema

Sections 1-3. What are the bones of the cat chondrocranium / dermatocranium / splanchnocranium?

Learning objective **Identify (Bloom's Level 1 - Remember)** the bones of the cat chondrocranium / dermatocranium / splanchnocranium and **paint (Bloom's Level 3 - Apply)** the bones on a 3D model of a cat skull.

Activity Color in the bones of a 3D model cat skull with marker

Self-assessment Compare colored model with reference images in the student guide

Systems **Skeletal**

Core concepts **Structure & function**

Competencies **Observation** **Depiction of Anatomy**